



Mexico Transport Cost Indicator Report

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Corn and Wheat Landed Costs to Mexico Decreased, While Soybeans'

Increased. Although transportation costs were mixed, lower farm values reduced the landed costs of U.S. corn and wheat to Mexico during the third quarter of 2016. However, increased farm values helped push up the landed costs for soybeans to Mexico. The quarter-to-quarter landed costs for waterborne corn and wheat to Veracruz, Mexico, decreased by 6 and 16 percent, respectively (see [Grain Transportation Report \(GTR\)](#), dated November 17, 2016). This was mainly due to a drop in the farm value for corn and wheat of 12 and 23 percent, respectively, in addition to lower truck rates. The landed cost for corn and wheat transported by land fell by 7 and 15 percent, respectively. This was also mainly due to a reduction in the farm values of 11 and 23 percent, respectively. On the other hand, the landed costs for soybeans shipped via the water and the land routes increased by 3 and 1 percent, respectively. An increase in farm values for the two routes of 1 and 2 percent, respectively, aided the increase in landed costs for soybeans. (see [GTR](#), dated November 17, 2016). The landed costs ranged from \$166 to \$417 per metric ton (mt) for the water route (see table and figure 1) and \$187 to \$451 for the land route (see table and figure 2).

During the quarter, transportation costs for shipping corn, soybeans, and wheat through the water route to Veracruz increased, mainly due to increases in barge, rail, and ocean freight rates. Barge rates in the U.S. increased during the quarter in response to a sell-off of old crop commodities in anticipation of upcoming large harvests. Ocean freight rates for shipping bulk grains also increased due to strong iron ore and grain trade during the quarter (see [GTR](#), dated October 20, 2016). For the land route, transportation costs for shipping soybeans and wheat remained relatively unchanged, while transportation costs for shipping corn declined by 2 percent as both truck and rail tariff rates from Iowa fell during the quarter. Truck rates fell during the quarter partly due to relatively lower diesel prices.

Despite the mixed transportation costs, transportation's share of landed costs generally increased during the quarter. The transportation share of landed costs ranged from 11 to 33 percent for the water route, and 22 to 41 percent for the land route. Changes in year-to-year transportation and landed costs are similar to changes in quarter-to-quarter transportation and landed costs. Year-to-year transportation costs increased for waterborne corn and soybeans and remained unchanged for wheat. Year-to-year landed costs decreased for waterborne corn and wheat due to lower farm values, but increased for soybeans as the farm value increased relative to last year. The same is true for the land route where year-to-year landed costs decreased for corn and wheat, but increased for soybeans.

Market Analysis and Outlook: From July to September, 2016, Mexico imported 3.58 million metric tons (mmt) of U.S. corn, 9 percent more than the same period a year earlier (FAS, GATS Data). Despite the drop in farm values, the total value of the imported corn at \$1.2 billion was 2 percent more than the same period a year ago. Mexico also imported 0.67 mmt and 0.79 mmt of wheat and soybeans, respectively, during the same period—9 and 19 percent less than the same period a year earlier. However, USDA's Foreign Agricultural Service has revised its 2016/17 Mexico's corn and wheat production forecast downward due to smaller than previously estimated planted area, irregular weather conditions, and insufficient water for irrigation ([USDA, FAS GAIN Report #: MX6031](#)). Given the expected drop in Mexico's domestic production and the relatively lower farm values and landed costs of U.S. corn and wheat, it could make U.S. imports to Mexico more competitive. Also, FAS indicated U.S. soybeans and other oilseeds should continue to



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Table 1. Quarterly costs of transporting U.S. grain and soybeans to Mexico

-----2016-----										
	Water route (to Veracruz)					Land route (to Guadalajara)				
	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
	US\$/metric ton					US\$/metric ton				
Corn										
Origin	IL					IA				
Truck	8.18	12.10	10.58		10.29	3.29	3.45	3.14		3.29
Rail ¹						86.61	85.41	84.04		85.35
Ocean ²	10.44	11.65	13.20		11.76					
Barge	13.66	14.78	21.12		16.52					
Total transportation cost	32.28	38.53	44.90		38.57	89.90	88.86	87.18		88.65
Farm price	144.74	150.25	132.15		142.38	137.79	142.64	127.16		135.86
Landed cost	177.02	188.78	177.05		180.95	227.69	231.50	214.34		224.51
Transport % of landed cost	18.2	20.4	25.4		21.3	39.5	38.4	40.7		39.5
Soybeans										
Origin	IL					NE				
Truck	8.18	12.10	10.58		10.29	3.29	3.45	3.14		3.29
Rail ¹						94.26	93.93	94.36		94.18
Ocean ²	10.44	11.65	13.20		11.76					
Barge	13.66	14.78	21.12		16.52					
Total transportation cost	32.28	38.53	44.90		38.57	97.55	97.38	97.50		97.48
Farm price	324.94	367.19	372.34		354.82	306.20	347.60	353.84		335.88
Landed cost	357.22	405.72	417.24		393.39	403.75	444.98	451.34		433.36
Transport % of landed cost	9.0	9.5	10.8		9.8	24.2	21.9	21.6		22.5
Wheat										
Origin	KS					KS				
Truck	3.29	3.45	3.14		3.29	3.29	3.45	3.14		3.29
Rail ¹	38.49	37.76	38.28			72.39	72.19	72.41		72.33
Ocean ²	10.44	11.65	13.20		11.76					
Total transportation cost	52.22	52.86	54.62		53.23	75.68	75.64	75.55		75.62
Farm price	151.63	143.67	111.09		135.46	151.63	143.67	111.09		135.46
Landed cost	203.85	196.53	165.71		188.70	227.31	219.31	186.64		211.09
Transport % of landed cost	25.6	26.9	33.0		28.5	33.3	34.5	40.5		36.1

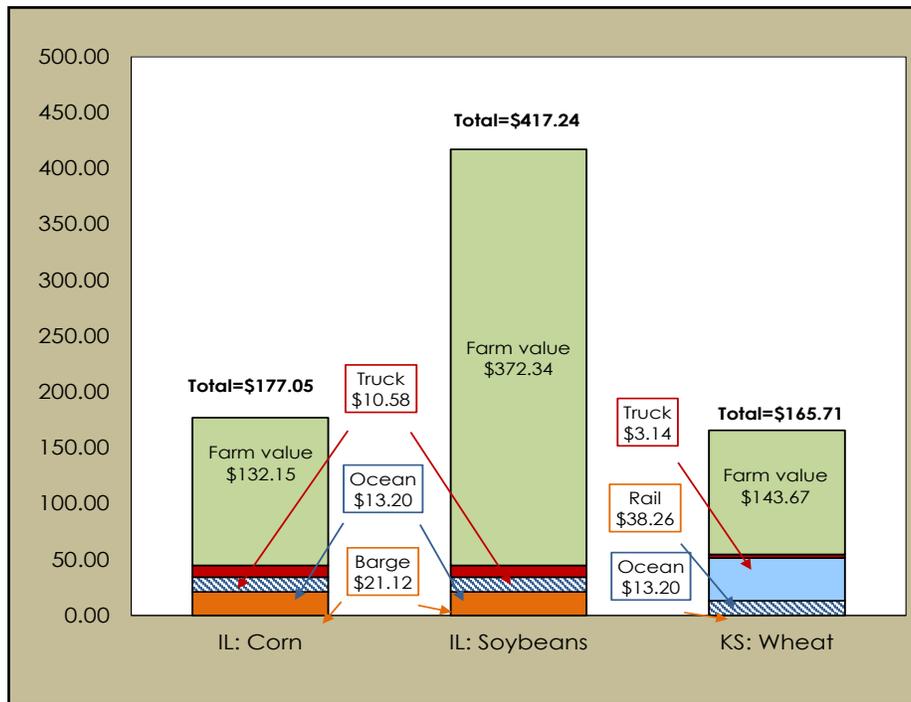
¹Rail rates include U.S. and Mexico portions of the movement. Mexico rail rates are estimated based on actual quoted market rates. BNSF and Union Pacific quoted rail tariff rates are through rates for shuttle trains.

Rail rates include fuel surcharges, but do not include the cost of purchasing empty rail cars in the secondary market, which could exceed the rail tariff rate plus the fuel surcharge shown in the table.

²Source: O'Neil Commodity Consulting, Inc.; Landed cost is total transportation cost plus the farm price.

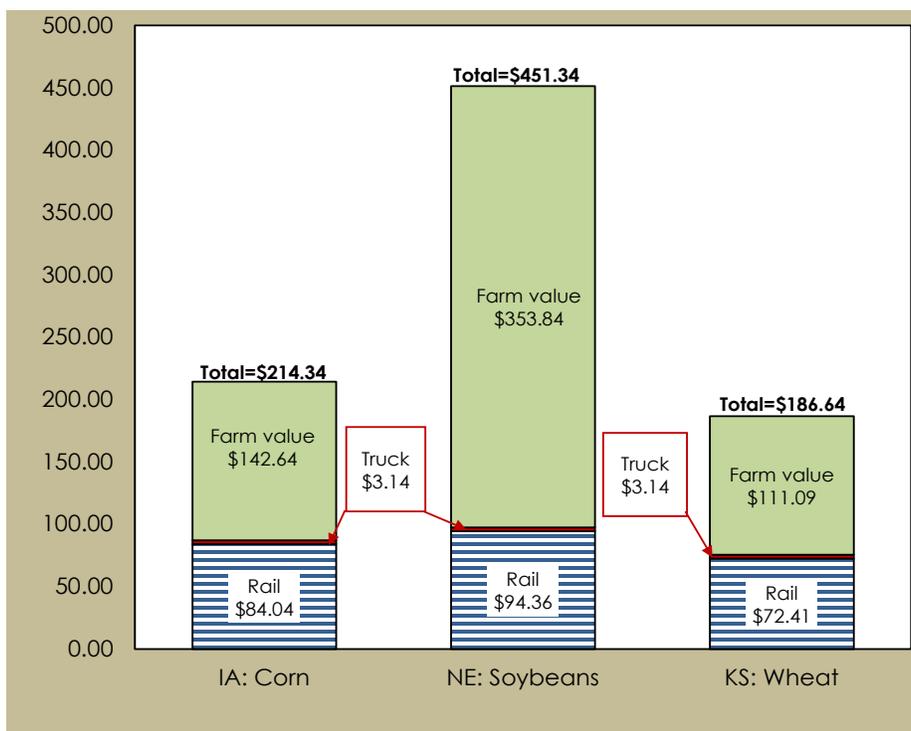


Figure 1. Water route shipment costs (\$/mt) to Veracruz, Mexico



Source: USDA Agricultural Marketing Service

Figure 2. Land route shipment costs (\$/mt) to Guadalajara, Mexico



Source: USDA Agricultural Marketing Service



be price-competitive due to the proximity of the Mexican market to U.S. suppliers ([USDA, FAS GAIN Report #: MX6014](#)).

Ocean Freight Rates: Ocean freight rates for shipping bulk grains to Mexico increased during the third quarter, compared to the previous quarter and the same period a year ago, but less than the 4-year averages. The cost of shipping a metric ton (mt) of grain from the U.S. Gulf to Veracruz, Mexico—in a 25,000 ton-capacity vessel—averaged \$15.00 per mt during the quarter. This was 11 percent more than the previous quarter, 3 percent above the same period last year, but 16 percent below the 4-year average. The cost of shipping in a 35-40,000 ton-capacity vessel averaged \$13.20 per mt—13 percent more than the previous quarter, 2 percent above the same period last year, but 16 percent below the 4-year average. Although ocean freight rates increased due to increased iron ore and grain trade during the quarter (see [GTR](#), dated October 20, 2016), the rates were still lower than the 4-year averages as excess vessel supply persists in the market.

Railroad: During the third quarter of 2016, railroads transported 33,050 carloads of grain and oilseeds to Mexico, down 1 percent from the previous quarter, up 1 percent from the third quarter of 2015, and up 21 percent from the prior-3-year average for the third quarter. Tariff rail rates per grain car averaged \$7,329, unchanged from the second quarter of 2016, up 2 percent from third quarter 2015, and up 6 percent from the prior-3-year average. Fuel surcharges per railcar averaged \$51, up 186 percent from the previous quarter, but still down 74 percent from the previous year and down 90 percent from the prior-3-year average. Overall, rail transportation costs (tariff rates plus fuel surcharges) were unchanged from the previous quarter and previous year, and were down 1 percent from the prior-3-year average.

Fruit and Vegetables

Total reported shipments of fruits and vegetables from Mexico during the third quarter of 2016 increased 16 percent from the same quarter in 2015. The sum of the top 5 commodities (avocados, cucumbers, squash, and all varieties of tomatoes and peppers) also increased 8 percent. The majority of this increase came from a 17 percent jump in tomatoes shipments (all varieties) or 49,289 tons in the third quarter of 2016. Pepper shipments from Mexico (2nd in volume this quarter) also increased by 20 percent in the third quarter compared to the same quarter in 2015. The majority of avocado (171,340 tons) shipments to the United States from Mexico move through Texas. All varieties of tomatoes enter the country through Arizona, California and Texas.

Truck rates for shipments between 501 and 1,500 miles through the Texas border crossings averaged \$1.82 per mile, down 10 percent from last quarter, and 6 percent lower than the same quarter last year. Rates for shipments between 501 and 1,500 miles through the Arizona border crossings averaged \$1.26 per mile, down 42 percent from last quarter, and 42 percent lower than the same quarter last year. Diesel fuel prices for border crossings through Texas averaged \$2.24 per gallon, 12 percent lower than the previous quarter, and 30 percent lower than the same quarter in 2015.

Livestock

Livestock border crossing exports to Mexico are down 1.4 percent in the 3rd quarter of 2016 compared to the 3rd quarter of 2015, with lower exports in horses, hogs and sheep. Sheep exports went up by 22 percent compared to the same quarter last year, showing the largest increase in livestock. Total hog exports went from 5,293 head in the 3rd quarter of 2015 to 4,653 head in the same period this year. Beef cattle exports saw a 10 percent increase, compared to last quarter. These exports went from 558 head in the 3rd quarter of 2015 to 612 head in same period in 2016. Mexico has been the top importer of live animals from the U.S. for several years (FAS/GATS) and, by headcount, the export of horses remains the largest livestock category crossing the border to Mexico from the U.S.



Figure 3. Livestock Border Crossing to Mexico during the 3rd quarter 2016





Quarterly Bulk Grain and Soybeans

Table 2. Quarterly tariff rail rates for U.S. bulk grain shipments to Mexico (US\$/car), 2016

Commodity	Origin state	Destination	Tariff rate/car ¹				Fuel surcharge per car ²					
			1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
Wheat	MT	Chihuahua, CI	7,459	7,459	7,459		7,459	0	0	0		0
	OK	Cuautitlan, EM	6,514	6,514	6,514		6,514	30	0	44		25
	KS	Guadalajara, JA	6,995	6,995	6,995		6,995	90	70	92		84
	TX	Salinas Victoria, NL	4,142	4,142	4,142		4,142	15	0	26		14
Corn	IA	Guadalajara, JA	8,397	8,310	8,137		8,281	79	49	88		72
	SD	Celaya, GJ	7,840	7,720	7,480		7,680	0	0	0		0
	NE	Queretaro, QA	7,879	7,879	7,879		7,879	38	0	86		41
	SD	Salinas Victoria, NL	6,545	6,545	6,545		6,545	0	0	0		0
	MO	Tlalnepantla, EM	7,238	7,238	7,238		7,238	37	0	83		40
	SD	Torreon, CU	7,240	7,187	7,080		7,169	0	0	0		0
Soybeans	MO	Bojay (Tula), HG	8,652	8,652	8,652		8,652	82	54	89		75
	NE	Guadalajara, JA	9,142	9,142	9,142		9,142	84	52	94		76
	IA	El Castillo, JA	9,470	9,470	9,470		9,470	0	0	0		0
	KS	Torreon, CU	7,439	7,439	7,439		7,439	58	30	68		52
Sorghum	NE	Celaya, GJ	7,364	7,344	7,344		7,350	72	41	82		65
	KS	Queretaro, QA	7,563	7,563	7,563		7,563	38	0	55		31
	NE	Salinas Victoria, NL	6,168	6,168	6,168		6,168	30	0	44		25
	NE	Torreon, CU	6,724	6,672	6,672		6,689	54	25	65		48

¹Rates are based upon published tariff rates for high-capacity shuttle trains. Shuttle trains are available for qualified shipments of 75-110 cars that meet railroad efficiency requirements. The cost of obtaining empty grain cars in the Secondary Grain Car markets, which in times of high demand may exceed the tariff rate plus fuel surcharge, is not included.

²Approximate load per car = 97.87 mt; corn & sorghum 56 lbs/bu, wheat & soybeans 60 lbs/bu

Sources: www.bnsf.com, www.uprr.com, www.kcsouthern.com



Quarterly Bulk Grain and Soybeans

Table 3. Quarterly tariff plus fuel surcharge rail rates for U.S. bulk grain shipments to Mexico, 2016

			Tariff ¹ plus fuel surcharge per:									
			US\$/metric ton					US\$/bushel ²				
Commodity	Origin State	Destination	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
Wheat	MT	Chihuahua, CI	76.21	76.21	76.21		76.21	2.07	2.07	2.07		2.07
	OK	Cuautitlan, EM	66.86	66.55	67.00		66.81	1.82	1.81	1.82		1.82
	KS	Guadalajara, JA	72.39	72.19	72.41		72.33	1.97	1.96	1.97		1.97
	TX	Salinas Victoria, NL	42.47	42.32	42.58		42.46	1.15	1.15	1.16		1.15
Corn	IA	Guadalajara, JA	86.61	85.41	84.04		85.35	2.20	2.17	2.13		2.17
	SD	Celaya, GJ	80.11	78.88	76.43		78.47	2.03	2.00	1.94		1.99
	NE	Queretaro, QA	80.90	80.50	81.38		80.93	2.05	2.04	2.07		2.05
	SD	Salinas Victoria, NL	66.87	66.87	66.87		66.87	1.70	1.70	1.70		1.70
	MO	Tlalnepanitla, EM	74.33	73.96	74.81		74.36	1.89	1.88	1.90		1.89
	SD	Torreon, CU	73.98	73.43	72.34		73.25	1.88	1.86	1.84		1.86
Soybeans	MO	Bojay (Tula), HG	89.23	88.95	89.31		89.16	2.43	2.42	2.43		2.42
	NE	Guadalajara, JA	94.26	93.93	94.36		94.18	2.56	2.55	2.57		2.56
	IA	El Castillo, JA	96.76	96.76	96.76		96.76	2.63	2.63	2.63		2.63
	KS	Torreon, CU	76.59	76.31	76.69		76.53	2.08	2.07	2.09		2.08
Sorghum	NE	Celaya, GJ	75.97	75.45	75.87		75.76	1.93	1.91	1.93		1.92
	KS	Queretaro, QA	77.66	77.27	77.83		77.59	1.97	1.96	1.98		1.97
	NE	Salinas Victoria, NL	63.33	63.02	63.47		63.27	1.61	1.60	1.61		1.61
	NE	Torreon, CU	69.25	68.42	68.84		68.84	1.76	1.74	1.75		1.75

¹Rates are based upon published tariff rates for high-capacity shuttle trains. Shuttle trains are available for qualified shipments of 75-110 cars that meet railroad efficiency requirements. The cost of obtaining empty grain cars in the Secondary Grain Car markets, which in times of high demand may exceed the tariff rate plus fuel surcharge, is not included.

²Approximate load per car = 97.87 mt: corn & sorghum 56 lbs/bu, wheat & soybeans 60 lbs/bu

Sources: www.bnsf.com, www.uprr.com, www.kcsouthern.com



Table 4. Quarterly exports of U.S. Distillers' Dried Grains with Soluble (DDGS) to Mexico*

Year	Thousand metric tons				
	1st qtr	2nd qtr	3rd qtr	4th qtr	Total
2009	316	377	371	395	1,459
2010	439	399	424	383	1,645
2011	506	430	476	369	1,781
2012	426	388	352	332	1,498
2013	284	329	290	381	1,285
2014	356	420	366	435	1,577
2015	497	276	413	463	1,649
2016	483	467	470		1,420

*Data are for brewers' and distillers' dregs and waste of which Distillers' Dried Grains with Soluble is a principal component. On November 2, 2010, data was revised.
 Source: USDA, Economic Research Service (ERS), Feed grains database



Quarterly Bulk Grain and Soybeans

Table 5. Quarterly ocean freight rate for bulk shipments from the U.S. Gulf to Veracruz, Mexico (US\$/metric ton)

Vessel capacity (metric ton)	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Average
25,000	13.58	17.53	19.86	22.65	18.41
35-40,000	11.46	15.46	17.78	20.22	16.23
Vessel capacity (metric ton)	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Average
25,000	23.04	23.83	24.33	21.89	23.27
35-40,000	20.75	22.34	21.64	19.83	21.14
Vessel capacity (metric ton)	1st qtr 2011	2nd qtr 2011	3rd qtr 2011	4th qtr 2011	Average
25,000	21.71	21.13	21.96	23.29	22.02
35-40,000	18.75	18.86	19.89	21.21	19.68
Vessel capacity (metric ton)	1st qtr 2012	2nd qtr 2012	3rd qtr 2012	4th qtr 2012	Average
25,000	20.28	20.79	20.68	18.73	20.12
35-40,000	18.37	18.62	18.53	16.73	18.06
Vessel capacity (metric ton)	1st qtr 2013	2nd qtr 2013	3rd qtr 2013	4th qtr 2013	Average
25,000	20.19	19.59	20.47	20.01	20.07
35-40,000	17.89	17.58	17.85	17.13	17.61
Vessel capacity (metric ton)	1st qtr 2014	2nd qtr 2014	3rd qtr 2014	4th qtr 2014	Average
25,000	20.08	17.48	15.75	16.32	17.41
35-40,000	17.53	15.48	13.56	13.96	15.13
Vessel capacity (metric ton)	1st qtr 2015	2nd qtr 2015	3rd qtr 2015	4th qtr 2015	Average
25,000	13.67	14.23	14.59	13.95	14.11
35-40,000	11.63	11.89	12.85	12.12	12.12
Vessel capacity (metric ton)	1st qtr 2016	2nd qtr 2016	3rd qtr 2016	4th qtr 2016	Average
25,000	12.34	13.47	15.00		13.60
35-40,000	10.44	11.65	13.20		11.76

Source: O'Neil Commodity Consulting



Table 6. U.S. livestock exports to Mexico by border crossing* (head) July-September 2016

Border Crossing	NM	AZ	TX	Total
Beef cattle				
Slaughter	0	0	0	0
Breeding males	79	15	182	276
Breeding females	0	18	318	336
Total beef	79	33	500	612
Hogs				
Slaughter	0	0	0	0
Breeding males	0	39	663	702
Breeding females	0	2,498	1,453	3,951
Total hogs	0	2,537	2,116	4,653
Sheep				
Slaughter lambs	0	0	0	0
Slaughter ewes	0	0	1,652	1,652
Breeding males	0	0	0	0
Breeding females	0	0	0	0
Total sheep	0	0	1,652	1,652
Dairy cattle				
Breeding males	0	0	1	1
Breeding females	1,077	0	1,169	2,246
Total dairy	1,077	0	1,170	2,247
Goats				
Angora	0	0	0	0
Spanish	0	0	0	0
Other	0	0	0	0
Total goats	0	0	0	0
Horses				
Slaughter	2,293	0	18,444	20,737
Breeding males	167	108	344	619
Breeding females	212	113	650	975
Geldings	70	27	178	275
Burro/mule/pony	0	0	105	105
Total horses	2,742	248	19,721	22,711
Exotics**	0	0	0	0
Grand total	3,898	2,818	25,159	31,875

*Weekly AMS data will not necessarily sum to the total U.S. Dept. of Commerce, Bureau of Census data.

**Refer to animals that are not included in other categories such as zebras, deer, elephants, and yaks.

Source: Agricultural Marketing Service (AMS), Livestock and Seed Programs



Table 7. Fruit and vegetable truck rates for shipments between 500 and 1,500 miles crossing the U.S.-Mexico border* (US\$/mile)

Origin/border crossing	1st qtr 2008	2nd qtr 2008	3rd qtr 2008	4th qtr 2008	Average
Nogales, Arizona	2.06	2.35	2.06	2.18	2.16
Pharr, Texas	1.78	2.21	1.91	1.74	1.91
Origin/border crossing	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Average
Nogales, Arizona	1.93	1.74	1.26	1.86	1.70
Pharr, Texas	1.61	1.61	1.38	1.42	1.50
Origin/border crossing	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Average
Nogales, Arizona	1.97	2.09	1.65	1.89	1.90
Pharr, Texas	1.60	1.86	1.53	1.58	1.64
Origin/border crossing	1st qtr 2011	2nd qtr 2011	3rd qtr 2011	4th qtr 2011	Average
Nogales, Arizona	1.87	2.38	1.85	1.80	1.97
Pharr, Texas	1.84	2.12	1.77	1.87	1.90
Origin/border crossing	1st qtr 2012	2nd qtr 2012	3rd qtr 2012	4th qtr 2012	Average
Nogales, Arizona	2.00	2.57	1.84	1.92	2.08
Pharr, Texas	1.97	2.26	1.89	2.09	2.05
Origin/border crossing	1st qtr 2013	2nd qtr 2013	3rd qtr 2013	4th qtr 2013	Average
Nogales, Arizona	2.34	2.59	1.63	2.33	2.22
Pharr, Texas	2.15	2.33	2.02	2.01	2.13
Origin/border crossing	1st qtr 2014	2nd qtr 2014	3rd qtr 2014	4th qtr 2014	Average
Nogales, Arizona	2.46	2.69	1.74	2.31	2.30
Pharr, Texas	2.32	2.53	2.12	2.13	2.28
Origin/border crossing	1st qtr 2015	2nd qtr 2015	3rd qtr 2015	4th qtr 2015	Average
Nogales, Arizona	2.41	2.49	2.71	2.51	2.53
Pharr, Texas	2.26	2.23	2.50	2.27	2.32
Origin/border crossing	1st qtr 2016	2nd qtr 2016	3rd qtr 2016	4th qtr 2016	Average
Nogales, Arizona	2.31	2.43	2.53		2.42
Pharr, Texas	2.98	2.17	2.24		2.46

*Voluntarily reported to AMS, Market News
 Source: Agricultural Marketing Service (AMS), Fruit and Vegetable Programs



Table 8. Quarterly U.S.-Mexico border crossing fresh fruit and vegetables truck availability, 3rd quarter, 2016

Legend:		Truck availability												
1 = Surplus		2 = Slight Surplus												
3 = Adequate		4 = Slight Shortage												
5 = Shortage														
Mexico border crossings/month		July				August					September			
Week		7/5	7/12	7/19	7/26	8/2	8/9	8/16	8/23	8/30	9/6	9/13	9/20	9/27
Through Nogales, AZ	Mixed Vegetables, Tomatoes, Melons, Mangoes, Grapes	2	2	1	1	1	1	1	1	1	1	1	3	2
Through TX	Carrots, Broccoli, Citrus, Tomatoes, Mangoes, Mixed Fruits, Vegetables, Watermelons, Limes	1	2	1	1	1	2	1	1	1	1	2	3	3

Source: USDA, Agricultural Marketing Service, Fruit and Vegetable Programs, Market News Branch, *Fruit and Vegetable Truck Rate Report*

Table 9. Top ten commodities shipped to the U.S. from Mexico (10,000 lbs)		
Commodity	3rd qtr 2016	Rank
Avocados	34,993	1
Limes	29,811	2
Peppers, Other	26,614	3
Mangoes	25,542	4
Tomatoes	24,868	5
Tomatoes, Plum Type	23,034	6
Misc Tropical	14,962	7
Cucumbers	14,670	8
Papaya	8,735	9
Broccoli	7,655	10

Source: USDA, AMS, Market News



Table 10. Top five commodities shipped to the U.S. from Mexico (10,000 lbs.)

Commodity	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Total 2010
Tomatoes (all varieties)	113,379	77,048	34,226	43,291	267,944
Peppers (all varieties)	52,381	29,135	18,481	33,718	133,715
Cucumbers	39,925	23,695	9,314	30,169	103,103
Squash	24,242	12,827	2,852	19,740	59,661
Avocados	20,065	15,120	8,696	17,242	61,123
Subtotal	249,992	157,825	73,569	144,160	625,546
Other	178,749	264,046	116,397	133,112	692,304
Total	428,741	421,871	189,966	277,272	1,317,850
Commodity	1st qtr 2011	2nd qtr 2011	3rd qtr 2011	4th qtr 2011	Total 2011
Tomatoes (all varieties)	93,831	61,825	40,136	40,329	236,121
Peppers (all varieties)	49,137	27,150	21,775	30,018	128,080
Cucumbers	31,749	27,481	9,879	22,275	91,384
Onions (dry and green)	30,159	20,994	6,747	7,090	64,990
Watermelon	25,181	66,908	3,082	14,777	109,948
Subtotal	230,057	204,358	81,619	114,489	630,523
Other	181,726	199,596	109,240	103,717	594,279
Total	411,783	403,954	190,859	218,206	1,224,802
Commodity	1st qtr 2012	2nd qtr 2012	3rd qtr 2012	4th qtr 2012	Total 2012
Tomatoes (all varieties)	99,264	69,282	41,120	57,099	266,765
Peppers (all varieties)	56,506	33,399	25,990	33,073	148,968
Cucumbers	42,668	25,798	11,919	30,383	110,768
Onions (dry and green)	29,949	20,020	8,122	8,744	66,835
Squash	26,776	16,033	3,401	19,556	65,766
Subtotal	255,163	164,532	90,552	148,855	659,102
Other	200,550	256,945	122,889	190,616	771,000
Total	455,713	421,477	213,441	339,471	1,430,102

Source: Data is obtained from the Department of Homeland Security (DHS), U.S. Customs and Border Protection (CBP) through USDA, AMS, Market News

-continued on next page-



**Table 10. Top five commodities shipped to the U.S. from Mexico (10,000 lbs.)
-continued-**

Commodity	1st qtr 2013	2nd qtr 2013	3rd qtr 2013	4th qtr 2013	Total 2013
Tomatoes (all varieties)	88,753	75,505	43,373	52,154	259,785
Peppers (all varieties)	55,952	35,111	27,341	51,481	169,885
Avocados	38,933	26,387	15,049	30,766	111,135
Cucumbers	38,877	30,555	11,592	31,523	112,547
Onions (dry and green)	24,818	22,138	7,584	8,070	62,610
Subtotal	247,333	189,696	104,939	173,994	715,962
Other	206,944	271,688	126,051	168,680	773,363
Total	454,277	461,384	230,990	342,674	1,489,325
Commodity	1st qtr 2014	2nd qtr 2014	3rd qtr 2014	4th qtr 2014	Total 2014
Tomatoes (all varieties)	102,175	77,596	40,598	56,783	277,152
Peppers (all varieties)	62,356	33,083	27,349	48,167	170,955
Cucumbers	47,565	30,978	12,150	35,905	126,598
Avocados	37,085	26,363	26,044	39,140	128,632
Squash	29,622	16,334	3,814	22,495	72,265
Subtotal	278,803	184,354	109,955	202,490	775,602
Other	214,020	306,544	126,219	160,627	807,410
Total	492,823	490,898	236,174	363,117	1,583,012
Commodity	1st qtr 2015	2nd qtr 2015	3rd qtr 2015	4th qtr 2015	Total 2015
Tomatoes (all varieties)	99,053	73,537	42,002	61,571	276,163
Peppers (all varieties)	61,334	34,579	28,060	46,690	170,663
Cucumbers	50,114	34,601	14,335	35,947	134,997
Avocados	44,510	37,667	39,582	49,063	170,822
Squash	29,026	18,088	3,527	23,863	74,504
Subtotal	284,037	198,472	127,506	217,134	827,149
Other	225,053	334,134	130,249	179,649	869,085
Total	509,090	532,606	257,755	396,783	1,696,234
Commodity	1st qtr 2016	2nd qtr 2016	3rd qtr 2016	4th qtr 2016	Total 2016
Tomatoes (all varieties)	122,571	105,099	49,289		
Peppers (all varieties)	57,984	46,626	33,631		
Cucumbers	45,829	37,791	14,670		
Avocados	57,605	40,197	34,993		
Squash	31,051	26,672	5,322		
Subtotal	315,040	256,385	137,905		
Other	242,834	350,555	162,307		
Total	557,874	606,940	300,212		

Source: Data is obtained from the Department of Homeland Security (DHS), U.S. Customs and Border Protection (CBP) through USDA, AMS, Market News



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Related Websites:

- ◆ [U.S. Grain and Soybean Exports to Mexico — A Modal Share Transportation Analysis \(PDF\)](#)
- ◆ [Grain Transportation Report](#)
- ◆ [Agricultural Refrigerated Truck Quarterly](#)

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Data Sets:

- ◆ [Figure 1: Water route shipment costs \(\\$/mt\) to Veracruz, Mexico](#)
- ◆ [Figure 2: Land route shipment costs \(\\$/mt\) to Guadalajara, Mexico](#)
- ◆ [Table 1: Quarterly costs of transporting U.S. grain and soybeans to Mexico](#)
- ◆ [Table 2: Quarterly tariff rail rates for U.S. bulk grain shipments to Mexico \(US\\$/car\), 2016](#)
- ◆ [Table 3: Quarterly tariff plus fuel surcharge rail rates for U.S. bulk grain shipments to Mexico, 2016](#)
- ◆ [Table 4: Quarterly exports of U.S. Distillers' Dried Grains with Soluble \(DDGS\) to Mexico](#)
- ◆ [Table 5: Quarterly ocean freight rate for bulk shipments from the U.S. Gulf to Veracruz, Mexico \(US\\$/metric ton\)](#)
- ◆ [Table 6: U.S. livestock exports to Mexico by border crossing \(head\) July-September 2016](#)
- ◆ [Table 7: Fruit and vegetable truck rates for shipments between 500 and 1,500 miles crossing the U.S.-Mexico border \(US\\$/mile\)](#)
- ◆ [Table 8: Quarterly U.S.-Mexico border crossing fresh fruit and vegetables truck availability, 3rd quarter, 2016](#)
- ◆ [Table 9: Top ten commodities shipped to the U.S. from Mexico \(10,000 lbs\)](#)
- ◆ [Table 10: Top five commodities shipped to the U.S. from Mexico \(10,000 lbs.\)](#)

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